



SEQUENCE LISTING

<10> Cook, Ronald M.  
Biosearch Technologies, Inc.

<120> Fluorescence Energy Transfer Probes With Stabilized Conformations

<130> 019079-000310US

C2 <140> US 09/591,185  
<141> 2000-06-08

<150> US 60/138,376

<151> 1999-06-09

<160> 2

<170> PatentIn Ver. 2.1

<210> 1

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: "TaqMan" probe

<220>

<221> modified\_base

<222> (1)

<223> n = cytosine modified through a substituted or unsubstituted alkyl or heteroalkyl linking group by exemplary donor 5-carboxyfluorescein (FAM)

<220>

<221> modified\_base

<222> (25)

<223> n = thymine modified through a substituted or unsubstituted alkyl or heteroalkyl linking group by exemplary acceptor

N,N,N',N'-tetramethyl-6-carboxyrhodamine (TAMRA)

<400> 1

ngcaggatgg catgggggag ggcan

25

<210> 2

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: model conformationally assisted probe (CAP)

<220>

<221> modified\_base

<222> (1)

<223> n = cytosine modified through a substituted or unsubstituted alkyl or heteroalkyl linking group

by exemplary donor 5-carboxyfluorescein (FAM)

<220>  
<221> modified\_base  
<222> (2)  
<223> n = guanine modified through a substituted or  
unsubstituted alkyl or heteroalkyl linking group  
by exemplary stabilizing moiety cholesterol  
derivative (CHOL)

*C2*  
*cont*  
<220>  
<221> modified\_base  
<222> (24)  
<223> n = adenine modified through a substituted or  
unsubstituted alkyl or heteroalkyl linking group  
by exemplary stabilizing moiety cholesterol  
derivative (CHOL)

<220>  
<221> modified\_base  
<222> (25)  
<223> n = thymine modified through a substituted or  
unsubstituted alkyl or heteroalkyl linking group  
by exemplary acceptor  
N,N,N',N'-tetramethyl-6-carboxyrhodamine (TAMRA)

<400> 2  
nncaggatgg catggggag ggcnn

25